

SPLIT-2

Work Order ID 70759 - 2



Page 1

Item ID: D4387-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Harness Assembly

Start Date: 6/14/2011 Start Qty: 42.00



Cust Item ID:

Required Date: 6/17/2011 Req'd Qty: 42.00



Customer:

Reference: NCR11-644

Run Start



Approvals: Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4387

A L/R

Rev B

0.00

100



Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O:

17284

AMSAFE TO REWORK PER NCR11-644 - SHOULDER STRAP LOOPS ARE TOO SMALL AND NEED TO BE REPLACED  
NEW C OF C REQUIRED  
P/N:4192-1-011-2396

Possible supplier: Amsafe

Certificate of conformaty is required

CL

11/06/14

(A2)

110



Packaging

Receive & Inspect for Damage & Mat'l Certs

0.00

Memo

0.00

Packaging

Ensure certificate of conformity is attached

CL 11/06/23

15

# Work Order ID 70759

Tuesday, June 14, 2011 1:58:50 PM

Item ID: D4387-041  
 Revision ID:  
 Item Name: Harness Assembly  
 Start Date: 6/14/2011 Start Qty: 42.00  
 Required Date: 6/17/2011 Req'd Qty: 42.00  
 Reference: NCR11-644

Accept

Cust Item ID:  
 Customer:

Setup Start  
 Stop

Run Start  
 Stop

Approvals: Process Plan:  
 QC:

Date:  
 Date:

Tooling:  
 SPC (Y/N):

Date:  
 Date:

Sequence ID/  
 Work Center ID

Operation  
 Description

Set Up/  
 Run Hours

Tool ID Tool # Plan Code Accept Qty Reject Qty Reject Number Insp. Stamp

120  
 QC  
 Quality Control

QC5- Inspect part completeness to step on W/O

0.00

- inspect to Rev B  
 Dur. only  
 8/6/23

Memo

0.00

150  
 Packaging  
 Packaging

Identify as per dwg & Stock Location: 57  
 263

Memo

RE-IDENTIFY USING NEW B/N

0.00

0.00

160  
 QC  
 Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Rev B 10

11/6/23

ME  
 11-06-23

# Picklist Print

Tuesday, June 14, 2011 1:58:47 PM

Page 1

Work Order ID: 70759



Parent Item: D4387-041



Parent Item Name: Harness Assembly

Start Date: 6/14/2011

Required Date: 6/17/2011

Start Qty: 42.00

Required Qty: 42.00

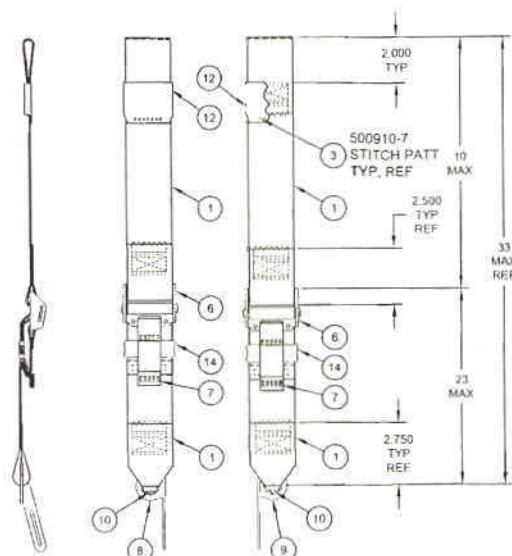
Comments: IPP rev A 11.05.25 new issue EC verified by: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4387-041		Manufactured	No				Each	0.0000		42			
Harness Assembly													



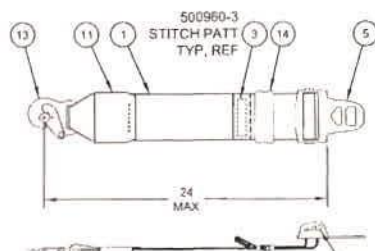
CL1106123

# SPECIFICATION CONTROL DRAWING

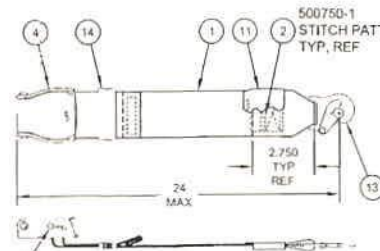


D4387-7

D4387-5



D4387-3



D4387-1

D4387-041 HARNESS ASSEMBLY

ITEM	QTY	QTY	QTY	QTY	QTY	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X	-1	-3	-5	-7	D4387-041	HARNESS ASSEMBLY	4192-1-011-2396
1		X				D4387-1	BUCKLE HALF	4192-2010112396
1			X			D4387-3	CONNECTOR HALF	4192-2030112396
1				X		D4387-5	SHOULDER STRAP	4192-2050112396
1					X	D4387-7	SHOULDER STRAP	4192-2060112396
1	A/R	A/R	A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2	A/R	A/R	A/R	A/R	A/R		THREAD	207
3	A/R	A/R	A/R	A/R	A/R		THREAD	69
4	1						BUCKLE ASSY	502750-401
5		1					CONNECTOR ASSY	504459-417-72
6				1	1		ADJUSTER ASSY	503050-409
7				1	1		PULL TAB	500976-425
8					1		ADAPTER, HARNESS	505122-2-72
9					1		ADAPTER, HARNESS	505122-1-72
10				1	1		INSERT	AFG0568293
11	1	1					LABEL	447864
12				1	1		LABEL	447864
13	1	1					HOOK ASSY	502737-441-72
14	1	1	1	1	1		WEB SLIDE	503964-1
15		2	2				PLUG	502913

## NOTES:

- 1) PURCHASE: D4387-041/1-1/3-5/7 FROM AMSAFE INC., Phoenix, AZ
- 2) FINISH: N/A
- 3) TOLERANCES: XXX  $\pm 0.250$
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:  
MANUFACTURER P/N: 4192-1-011-2396  
CUSTOMER P/N: D4387-041  
DATE OF MFG  
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.75 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED  
2011-05-15

UNDER REVIEW

100.07 0 24387-041  
Per RCR II-644

A	NEW ISSUE	(REF. CAR10-011)	MB	11.05.02
REV.		DESCRIPTION	BY	DATE
DESIGN				
DRAWN				
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	11.05.02			

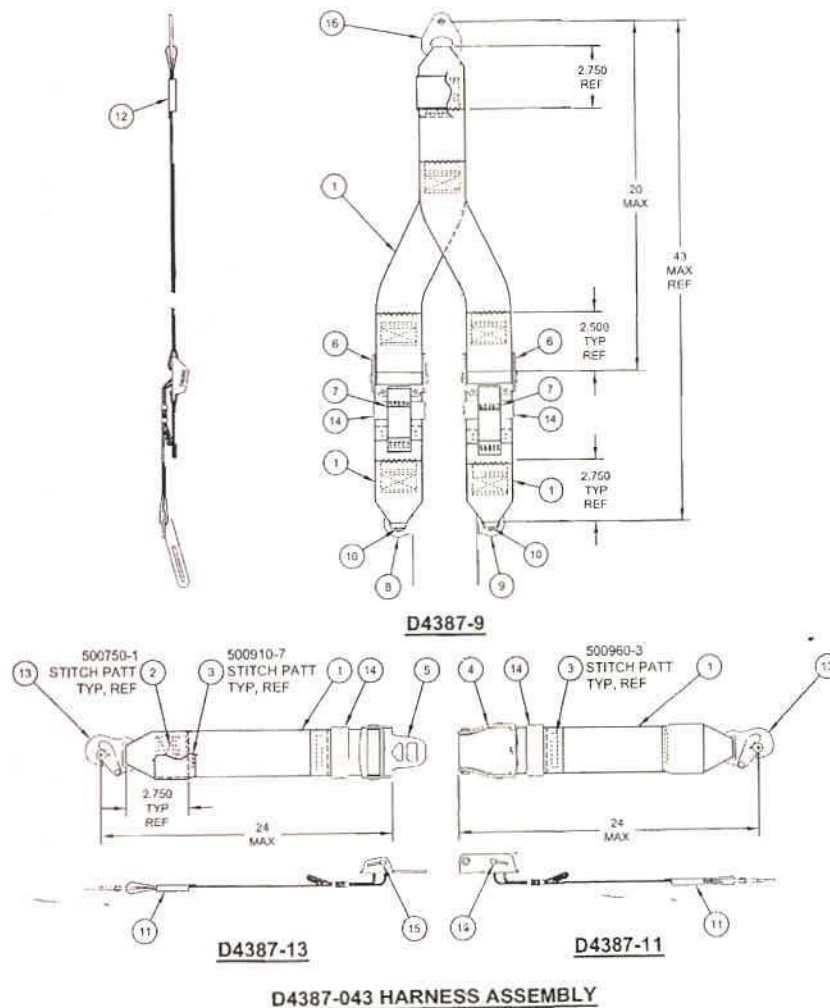
**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D4387  
TITLE: HARNESS ASSEMBLY  
SCALE: NTS

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# SPECIFICATION CONTROL DRAWING



D4387-043 HARNESS ASSEMBLY

ITEM	QTY -043	QTY -9	QTY -11	QTY -13	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X				D4387-043	HARNESS ASSEMBLY	4173-2-021-2396
1		X			D4387-9	SHOULDER SLAP	4173-2110212396
1			X		D4387-11	BUCKLE HALF	4173-2070212396
1				X	D4387-13	CONNECTOR HALF	4173-2090212396
1		A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R		THREAD	69
4			1			BUCKLE ASSY	502750-401
5				1		CONNECTOR ASSY	504459-417-72
6		2				ADJUSTER ASSY	503050-409
7		2				PULL TAB	500976-425
8		1				ADAPTER, HARNESS	505122-2-72
9		1				ADAPTER, HARNESS	505122-1-72
10		2				INSERT	AFG0568293
11			1	1		LABEL	447664
12		1				LABEL	447664
13		2	1	1		HOOK ASSY	502737-441-72
14			1	1		WEB SLIDE	503964-1
15			2	2		PLUG	502913
16		1				END FITTING	501743-21-72

## NOTES:

- 1) PURCHASE: D4387-043/9/11/13 FROM AMSAFE INC., Phoenix, AZ
- 2) FINISH: N/A
- 3) TOLERANCES: .XXX ±0.250
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLATIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:  
MANUFACTURER P/N: 4173-2-021-2396  
CUSTOMER P/N: D4387-043  
DATE OF MFG  
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.85 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS.

RELEASED  
2011-05-15

UNDER REVIEW

V.00.02 6 D4387-043 OK.  
POL NCR 11-644

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	10	DRAWING NO.	REV. A
MFG. APPR.	15	D4387	SHEET 2 OF 2
APPROVED	10	TITLE	SCALE
DE APPR.	11	HARNESS ASSEMBLY	NTS
DATE	11.05.02	COPYRIGHT © 2011 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.	

## Linda Lacelle

---

**From:** Sian Willems <swillems@dartaero.com>  
**Sent:** June 14, 2011 1:42 PM  
**To:** llacelle@dartaero.com  
**Cc:** Marc Bellavance; Melanie Fauteux; Chantal Lavoie; Susanne Sheldon  
**Subject:** PO for Amsafe NCR11-644

Hiya,

Can you please open a custom work order for the following:

Return qty. 42 D4387-041 4 point shoulder harnesses (Amsafe p/n 4192-1-011-2396) to Amsafe for rework. Per NCR11-644, the shoulder straps loops are too small and need to be replaced.

We are returning to Amsafe: *207861*

Qty. 15 D4387-041 (Amsafe 4191-1-011-2396) from DAS PO13994 (Amsafe S209243)

Qty. 27 D4387-041 (Amsafe 4191-1-011-2396) from DAS PO13987 (Amsafe S209100)

*[Signature]*  
Parts should be returned to by the end of this week. Please send the PO to Tom Hodgdon.

We also have another 9 belts still out in the field. We'll be issuing RA's for these to be returned to Dart. How do we ensure the same process is completed for these?

Thanks,

*Sian Willems*

Marketing

T: 1-613-632-5200 ext 239

F: 1-613-632-5246

C: 1-613-676-0577

[swillems@dartaero.com](mailto:swillems@dartaero.com)



Product Documentation: Verify Revision Status/Download [HERE](#)

**AMSAFE**

**AMSAFE AVIATION**  
1043 NORTH 47th AVENUE  
PHOENIX, AZ 85043  
PH (602)850-2850 FAX (602)850-2812

**SHIPPER/CERTIFICATION**

CUSTOMER NO.	SALES ORDER NO.	BOL NO.	DATE PRINTED	PAGE NO.
10006113	2011-445	000236631	06/21/11	1

DART AEROSPACE  
1270 ABERDEEN STREET  
HAWKESBURY  
ONTARIO, CANADA K6A 1K7  
Canada

DART AEROSPACE LTD.  
1270 ABERDEEN ST  
HAWKSBURY,, ON K6A 1K7  
Canada

Ship to ID: 10006125

CUSTOMER ORDER NO.	TERMS	FREIGHT	SHIP VIA	F.O.B.
PO14284	NET30	COLLECT	FedEx P1 10:30 AM	ORIGIN

Sales Order Remarks: 1517-9324-0

Remarks:

SHIPMENT REFERENCE 000236631

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
2	4192-1-011-2396 REST SYS ASSY	DRAWING: 4192 REV: D CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity 2011-445-2 CRO # 42539	2011-06-17	15 Expire Ref.	15 15	0

CLU106123

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):  
FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X

*Nicole Davis*

Printed Name:

*Nicole Davis*

Dated:

JUN 21 2011

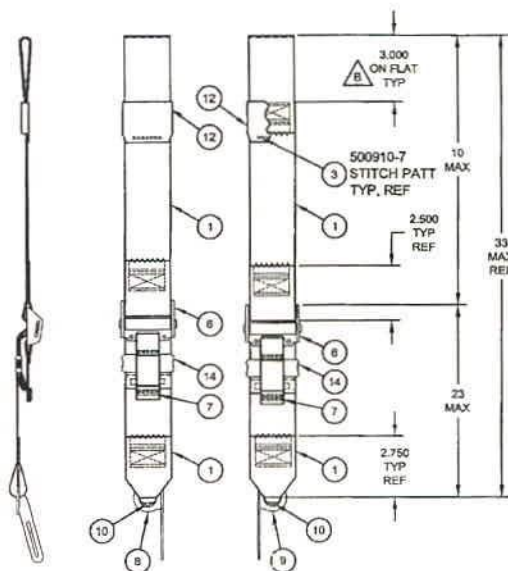
COUNTRY OF ORIGIN USA





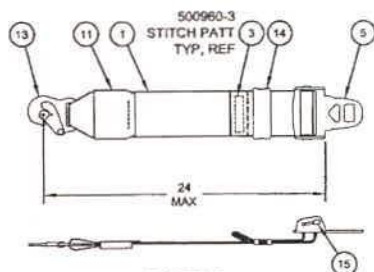


# SPECIFICATION CONTROL DRAWING

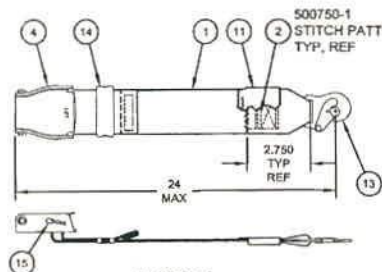


D4387-7

D4387-5



D4387-3



D4387-1

D4387-041 HARNESS ASSEMBLY

REFERENCE ONLY

ITEM	QTY -041	QTY -1	QTY -3	QTY -5	QTY -7	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X					D4387-041	HARNESS ASSEMBLY	4192-1-011-2396
1		X				D4387-1	BUCKLE HALF	4192-2010112396
1			X			D4387-3	CONNECTOR HALF	4192-2030112396
1				X		D4387-5	SHOULDER STRAP	4192-2050112396
1					X	D4387-7	SHOULDER STRAP	4192-2060112396
1		A/R	A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R	A/R		THREAD	69
4		1					BUCKLE ASSY	502750-401
5			1				CONNECTOR ASSY	504459-417-72
6				1	1		ADJUSTER ASSY	503050-409
7				1	1		PULL TAB	500976-425
8					1		ADAPTER, HARNESS	505122-2-72
9				1			ADAPTER, HARNESS	505122-1-72
10				1	1		INSERT	AFG0568293
11		1	1				LABEL	447664
12				1	1		LABEL	447664
13		1	1				HOOK ASSY	502737-441-72
14		1	1	1	1		WEB SLIDE	503964-1
15		2	2				PLUG	502913

## NOTES:

- 1) PURCHASE: D4387-041/1-1/3/5/7 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: .XXX ±0.250
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:  
MANUFACTURER P/N: 4192-1-011-2396  
CUSTOMER P/N: D4387-041  
DATE OF MFG  
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.75 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED  
2011-06-16

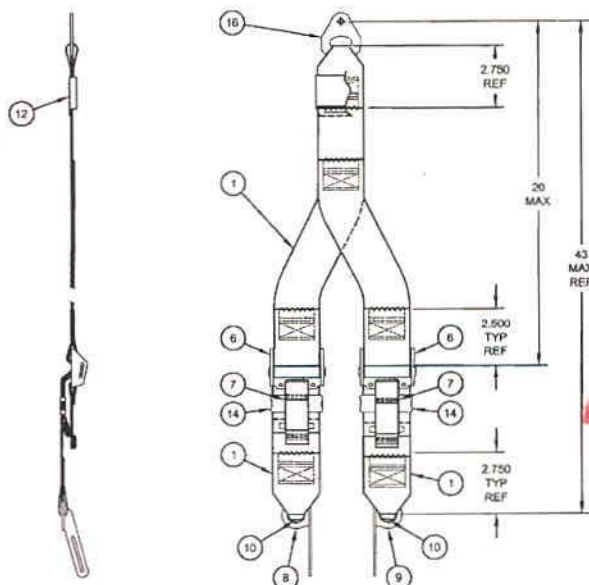
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A	NEW ISSUE (REF. CAR10-011)	MB	11.05.02
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.06.07		

DART AEROSPACE LTD  
HAWKESBURY, ONTARIO, CANADA

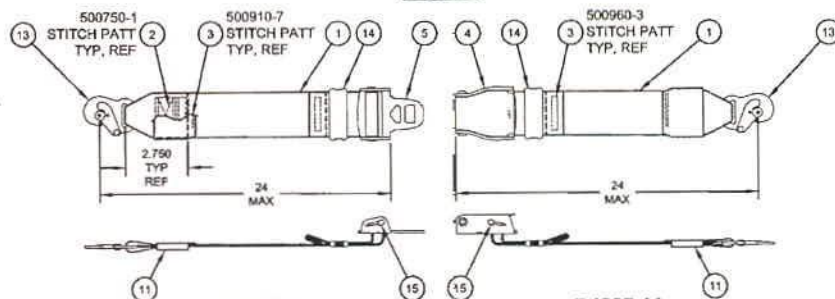
DRAWING NO. D4387  
TITLE HARNESS ASSEMBLY  
REV. B  
SHEET 1 OF 2  
SCALE  
NTS

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# SPECIFICATION CONTROL DRAWING



**D4387-9**



**D4387-13**

**D4387-11**

**D4387-043 HARNESS ASSEMBLY**

ITEM	QTY -043	QTY -9	QTY -11	QTY -13	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X				D4387-043	HARNESS ASSEMBLY	4173-2-021-2396
1		X			D4387-9	SHOULDER STRAP	4173-2110212396
2			X		D4387-11	BUCKLE HALF	4173-2070212396
3				X	D4387-13	CONNECTOR HALF	4173-2090212396
1		A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R		THREAD	69
4			1			BUCKLE ASSY	502750-401
5				1		CONNECTOR ASSY	504459-417-72
6	2					ADJUSTER ASSY	503050-409
7	2					PULL TAB	500976-425
8	1					ADAPTER, HARNESS	505122-2-72
9	1					ADAPTER, HARNESS	505122-1-72
10	2					INSERT	AFG0566293
11			1	1		LABEL	447664
12	1					LABEL	447664
13	2	1	1			HOOK ASSY	502737-441-72
14			1	1		WEB SLIDE	503964-1
15			2	2		PLUG	502813
16	1					END FITTING	501743-21-72

## NOTES:

- 1) PURCHASE: D4387-043/-9/-11/-13 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: XXX  $\pm 0.250$
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MANUFACTURER P/N: 4173-2-021-2396  
CUSTOMER P/N: D4387-043  
DATE OF MFG  
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.85 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED  
2011-06-16

DESIGN		<b>DART AEROSPACE LTD</b>
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. REV. B
MFG. APPR.		D4387 SHEET 2 OF 2
APPROVED		TITLE SCALE
DE APPR.		HARNESS ASSEMBLY NTS
DATE	11.06.07	

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